

IVANOV, N.N.; KARPIN, Ye.B.; OSTROVSKIY, I.G.; TOKMACHEV, A.F.

Continuous automatic pneumatic weighing batchers. Priborostroenie
no. 12:16-18 D '60. (MIRA 14:1)
(Weighing machines)

KARPIN, Ye.B., kand. tekhn. nauk; SOKOLOV, A.Ya., doktor tekhn.
nauk, prof., retsenzent; POGOSOV, G.S., kand. fiz.-mat.
nauk, dots., red.; VOSKRESENSKIY, N.N., inzh., red.izd-
va; MODEL', B.I., tekhn. red.

[Design of weighing and proportioning mechanisms] Raschet
i konstruirovaniye vesoizmeritel'nykh mekhanizmov i dozato-
rov. Moskva, Mashgiz, 1963. 523 p. (MIRA 17:3)

KERIM, Ye.B., kand. tekhn. nauk

Study of the resilient state of a rotating disc. Zapiski nauchno-tekhnicheskikh i tekhnicheskikh obshchestv SSSR. Ser. 18:3.
IZ no.2:3'-20 F '65.

I. Kirovskiy trubinnyy zavod.

L 22290-66 EWA(h)/EWP(k)/EWT(d)/EWT(m)/ETC(m)-6/EWP(w)/EWP(v) IJP(c) EM/WW
ACC NR: AP6007308

UR/0096/66/000/003/0053/0057 65

AUTHOR: Karpin, Ye.B. (Candidate of technical sciences); Kostyuk, A.G.^B
(Candidate of technical sciences); Zuyeva, G.K. (Engineer); Piruyeva, L.V.
(Engineer); Sokolov, V.S. (Engineer)

ORG: MEI-KTZ

TITLE: Calculation of unsteady state temperature fields in plates and
shells using a computer

SOURCE: Teploenergetika, no.3, 1966, 53-57

TOPIC TAGS: temperature distribution, computer program, computer calcu-
lation, temperature, shell structure, aero space structure

ABSTRACT: The article proposes approximate methods for calculating un-
steady state temperature fields which greatly simplify the calculation
and which give results which are satisfactory in accuracy for practical
purposes. The mathematical development of the method considers a shell
of arbitrary shape and variable thickness, with respect to a curvilinear
orthogonal coordinate system. The remainder of the article consists of
the working out of a detailed computer program for the given problem.
The method and the program were used to investigate the effect of differ-
ent factors on the temperature field and the stresses in turbine vanes
and disks. Calculated results are shown in a figure. The solution of

UOC: S36.12.691.142.35.001.24

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ACC NR: AP6007308

the above problem (for heating for a period of 300 seconds) required about 0.75 hours of machine time. In addition, about 0.75 hours are spent in preparing the perforated tape from the starting data. Solution of an analogous problem by hand methods would take about 200 hours. Orig. art. has: 22 formulas and 6 figures.

SUB CODE: 20,09/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 001

Card 2/2 nat

L 27358-66 EWT(m)/EWA(d)/EWP(t) IJP(c) JD

ACC NR: AP6008701 (N) SOURCE CODE: UR/0380/65/000/006/0086/0095

AUTHORS: Petrusevich, A. I. (Doctor of technical sciences)(Moscow); Karpin, Ye. B. (Moscow); Misharin, Yu. A. (Moscow); Ryazov, N. M. (Moscow)

ORG: none

TITLE: The contact strength of cement and nitrided steels 18

SOURCE: Mashinovedeniye, no. 6, 1965, 86-95

TOPIC TAGS: carburization, nitridation, lubricant, case hardening, hardness, steel, lubricating oil, mineral oil/ 12Kh2N4A steel, 12KhN3A steel, EI-712 steel, EP-176 steel, OKhN3MFA steel, 38KhMYuA steel, 30Kh2N2VFA steel

ABSTRACT: The results of contact-strength tests of steels for gears conducted at the State Scientific Research Institute of Mechanical Engineering (Gosudarstvennyy nauchno-issledovatel'skiy institut mashinovedeniya) are reported. A roller specimen with a diameter of 30 mm is compressed with a force Q on both sides by pressure disks with a diameter of 120 mm (see Fig. 1). The speed of the roller is 7820 rpm and of the disks 2065 rpm. A negative specific slip of 6% is created on the roller for a slip speed of 0.7 m/sec. The roller receives 982 000 cycles

UDC: 669.15-194:539.4

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L 27358-66

ACC NR: AP6008701

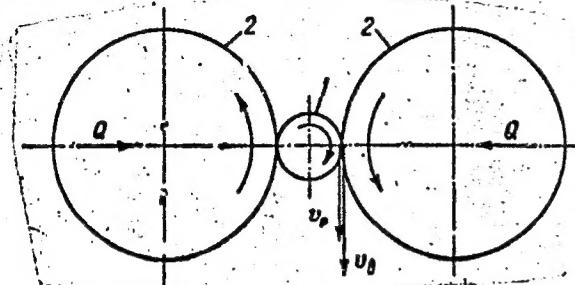


Fig. 1. Testing diagram:
1 - roller specimen;
2 - pressure disks.

10

per hour. The use of synthetic diester lubrication was found to increase the possible number of cycles (as compared with mineral oil) with 12Kh2N4A cement steel. It is found that parkerizing does not lead to a reduction in the contact strength of 12KhN3A steel. It was also found that oxide coating and oxide parkerizing do not lower the contact strength of 12Kh2N2A and EP-176 steels. The contact strength of OKhN3MF with two-step nitriding is approximately the same as that of 30Kh2N2VFA steel. Electrolytic polishing of OKhN3MFA steel did not give positive results, but it was effective with 30Kh2N2VFA steel. There was no scaling in ground specimens of OKhN3MFA and 30Kh2N2VFA steels. Orig. art. has: 1 diagram, 2 graphs, 2 photographs, and 1 tables.

SUB CODE: 11/ SUBM DATE: 24 May 65 ORIG REF: 004
Card 2/2

KARPIN Ye. B.

GERNET, M.M., doktor tekhn.nauk,prof.; DIKIS, M.Ya., doktor tekhn.nauk, prof.; LUK'YANOV, V.V., doktor tekhn.nauk,prof.[deceased]: POPOV, V.I., doktor tekhn.nauk,prof.; SOKOLOV, A.Ya., doktor tekhn.nauk,prof.: SOKOLOV,V.I.,doktor tekhn.nauk,prof.; SURKOV,V.D.,doktor tekhn.nauk,prof.; BARANOVSKIY, N.V., kand.tekhn.nauk,dots.; BROYDO, B.Ye., kand.tekhn. nauk, dots.; BUZYKIN, N.A., kand.tekhn.nauk, dots.; GOROSHENKO, M.K., kand.tekhn.nauk, dots.; GORTINSKIY, V.V., kand.tekhn.nauk, dots.; GREBENYUK, S.M., kand.tekhn.nauk, dots.; GUS'KOV, K.P., kand.tekhn. nauk, dots.; DEMIDOV, A.R., kand.tekhn.nauk, dots.; ZHISLIN, Ya.M., kand.tekhn.nauk, dots.; KARPIN, Ye.B., kand.tekhn.nauk, dots.; KOSITSYN, I.A., kand. tekhn.nauk, dots. [deceased]; GEYSHTOR, V.S., kand.tekhn.nauk, dots.; MARSHALKIN, G.A., kand.tekhn.nauk, dots.; MOLDAVSKIY, G.Ye., kand.tekhn.nauk, dots.; ODESSKIY, D.A., kand. tekhn.nauk, dots.; PELEYEV, A.I., kand.tekhn.nauk, dots.; RUB, D.M., kand.tekhn.nauk, dots.; SKOBLO, D.I., kand.tekhn.nauk, dots.; SHUVALOV, V.N., kand.tekhn.nauk, dots.; KHEL'NITSKAYA, A.Z., red.; SOKOLOVA, I.A., tekhn. red.

[Principles of the design and construction of machinery and apparatus for the food industries] Osnovy rascheta i konstruirovaniia mashin i apparatov pishchevykh proizvodstv. Moskva, Pishchepromizdat, 1960.
741 p.

(Food industry--Equipment and supplies)

(MIRA 14:12)

KARPIN, Ye.K.

Practices in using floodlands. Zemledelie 6 no.1:63-65 Ja '58.
(Bryansk Province--Alluvial lands) (MIRA 11:1)

K
KARPIN, Z.N., and GERMAN, A.N.

"Reservoir for application of heat and cold."
SO: Veterinaria 29(1), 1952, p 57

KARPIN, Z.K.; GERMAN, A.N.

Professor I.A. Bocharov. "Special pathology and therapy of internal
non-infectious diseases of domestic animals. Veterinaria 39 no.1;
58-62 Ja '53.
(MLRA 6:1)

KARPINIEC, Mieczyslaw, mgr inz.

The most important problems in the Kielce region. Przegl techn no.52:
5,6 30 D '62.

1. Przewodniczący Wojewódzkiego Komitetu Prorozumiewawczego Naczelnnej
Organizacji Technicznej, Kielce.

KARPINISHAN, K. [Carpinisan,C], prof., doktor; BOGDAN, Tr. [Bogdan,Traian],
kand.med.nauk, doktor; KOMAN, K. [Coman,C], doktor

Decortication of the lung. Vest. khir. 90 no.3:30-35 Mr'63.

1. Iz Bukharestsckoy kliniki grudnoy khirurgii (dir. - prof.
doktor K.Karpinishan).

(LUNGS—DISEASES) (PLEURA—SURGERY)

KARPINISHAN, K.; KOMAN, K.; KONSTANTINESCU, K.; BADYA, D.

Significance of a mechanical suture in preventing bronchial
fistulae following lung resections. Grud. khir. ó no.1. 76-78
Ja-F '64.
(MIRA 18:11)

1. Klinika grudnoy khirurgii (zav. - prof. K. Karpinishan)
bol'nitsy "Filaret", Bukharest. Adres avtorov: Bukharest,
klinika grudnoy khirurgii bol'nitsy "Filaret". Submitted
March 25, 1963.

L 40055-
ACC NR: AP6025937 LIP(s) WH/JD/JG
SOURCE CODE: UR/0226/66/000/007/0049/005259

AUTHOR: Afanas'yev, V. F.; Karpinos, D. M.

55
B

ORG: Institute of Problems in the Science of Materials, AN UkrSSR
(Institut problem materialovedeniya AN UkrSSR)

TITLE: Antifriction characteristics of boron nitride during dry friction in gaseous media and at low temperatures

SOURCE: Poroshkovaya metallurgiya, no. 7, 1966, 49-52

TOPIC TAGS: boron nitride, chemical compound, ~~boron nitride~~ friction, friction coefficient, ~~boron nitride~~ wear loss, wear resistance

ABSTRACT: The friction behavior of five series of boron nitride disks was studied under conditions of dry friction against nitrided 1Kh18N9Ti steel at 300, 273, 195 and 77K in air at a pressure of 133.322 n/m² and in argon, helium, and nitrogen at 300K. The series differed from one another by the density of the specimens (unspecified). Temperature was found to have a pronounced effect on the friction coefficient and wear resistance. With decreasing temperature the friction coefficient increased from 0.17—0.19 at 300K to 0.32—0.34 at 79K, and the weight loss increased from 20—21 g at 300K to 30—32 g at 77K in a two-hour test. With increasing specific pressure the weight loss increased

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L. 40000-66

ACC NR: AP6025937

first fairly slowly and then sharply when a certain critical pressure had been reached (Fig. 1). At specific pressures below critical a shiny film was formed on the specimens' surface. However, at pressures above critical the film broke down, as is indicated by a sharp break in the curves of Fig. 1. In gaseous media, friction coefficient and wear depend on the linear speed. This dependence is especially strong in nitrogen, argon, and helium, in which the respective friction coefficients increase from 0.30, 0.30, and 0.28 at a speed of 0.5 m/sec to 3.20, 3.50, and 2.80 at a speed of 10.5 m/sec. The specimen temperature in tests in air did not exceed 523K compared to 573—623K observed in tests in other gases.

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Orig. art. has: 3 figures and 3 tables.

Fig. 1. Wear loss of specimens series 1, 2, 3 and 4 at 77K versus specific pressure

SUB CODE: 11/ SUBM DATE: 20Aug65/ ATD PRESS: 5053 [DV]

Card 2/2 jd

KARPINSKA, D.

"Preparation of patterns." p. 63. (ODZIEZ, Vol. 4, no. 3, Mar. 1953, Lodz, Poland)
SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

KARPINSKA, D., RADENSKI, J.

"Methods of struggle for a better quality of production." p. 76. (ODZIEZ,
Vol. 4, no. 3, Mar. 1953, Lodz, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

HORN-LACIOJOWSKA, Maria; KARPIŃSKA, Halina

Comparative studies on the determination of the activity of cholinesterase (pseudocholinesterase) in the blood serum.
Biad. lek. 18 no.16:1335-1338 15 s '65.

1. Z Centralnego Laboratorium Szpitala Miejskiego im. J. Strusia
(Kierownik: dr. med. M. Horn-Lacijowska) i z Laboratorium Z.L.Z.
przy Zakładach Przemysłu Metalowego H. Cegielski w Poznaniu
(Kierownik: mgr. H. Karpinska).

WŁODAREK, Antonina; FALENCIK, Maria; KARPINSKA, Maria

Functional cardiac murmur in patients with abnormally small spinal curvature. Reumatologia (Warsz.) 2 no.3:231-241 '64.

1. Z I Oddzialu Chorob Wewnetrznych Instytutu Reumatologicznego (Kierownik: doc dr med. J. Kwoczyński Dyrektor Instytutu: dr med. W. Brühl).

KARPINSKAYA, A.

The Soviet of the Scientific Technological Society in a new role.
Zhil.-kom. khoz. 13 no.4:17 Ap '63. (MIRA 16:5)

1. Zamestitel' predsedatelya Leningradskogo oblastnogo pravleniya
nauchno-tekhnicheskikh obshchestv.
(Leningrad--Municipal services)

KARPINSKAYA, A. I.

Kand. Tekhn. Nauk

Leningradskoye otdeleniye Vsesoyuznogo Nauchno-issledovatel'skogo Institut
Ministerstva stroitel'stva Predpiyatiy Mashinostroyeniya

Uchet svobodnoy emkosti i napornoj otvodospособnosti pri raschete dozhdevoy
kanalizatsii

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KARPINSKAYA, A.M.

BAKHAR, N. P., KARPINSKAYA, A. M., Krasil'nikova, N. A., TATE, N. N.

"K Differential'noy Diagnostike Noshdu Cessul'stvennyi Zabolevanijami i Cepcholicheskimi Golovnymi Bolega."

p. 94 V bye ob Aktual'nyye Preblev Narvopatologii i Psihiatrii, Leningrad 1927.

Is infodry nervnykh bolbezey i infodry psihicheskih, Evropeiskiye State Med Inst.

KLINKOVSHTEYN, G.I., kand. tekhn. nauk.; AKSENOV, V.A., inzh.;
SARKIS'YANTS, E.G., inzh.; SHUMOV, A.V., inzh.;
MANUSADZHYANTS, Zh.G., inzh.; TROSHINA, M.Ya., inzh.;
STETSYUK, L.S., inzh.; PARSHIN, M.A., inzh.; KARFINSKAYA,
I.M., inzh.; FAL'KEVICH, B.S., doktor tekhn. nauk;
ILARIONOV, V.A., kand. tekhn. nauk; POLTEV, M.K., inzh.;
KOGAN, E.I., inzh.; CHIGARKO, G.T., inzh.; KONONOVA, V.S.,
red.

[Traffic safety and safety measures in automotive transportation] Bezopasnost' dvizheniya i tekhnika bezopasnosti na avtomobil'nom transporte. Moskva, Transport, 1964. 74 p.
(MIRA 18:1)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Moskovskiy avtomekhanicheskiy institut (for Fal'kevich). 3. Moskovskiy avtomobil'nodorozhnyy institut imeni Molotova (for Ilarionov). 4. Vsesoyuznyy zaochnyy politekhnicheskiy institut (for Poltev).

STETSYUK, L.S.; PARSHIN, M.A.; KARPINSKAYA, I.M.; YEPIFANTSEV, A.T.;
DEBERDEYEV, B.S., red.; BODANOV, A.P., tekhn. red.

[Road adhesion of wheels and traffic safety] Stseplenie ko-
lesa s dorogoi i bezopasnost' dvizhenia. Moskva, Avto-
transizdat, 1963. 66 p. (MIRA 17:3)

KARPINSKAYA, L.N.

KARPINSKAYA, L.N.

Increasing the draft on a drawing frame. Tekst. prom. 18 no. 1:56-58
Mr '58. (MIRA 11:3)

1. Zaveduyushchiy pryadil'nym proizvodstvom Lezhnevskoy fabriki.
(Spinning machinery)

KARPINSKAYA, L.N.

Modernization of sliver machinery. Tekst.prom. 19 no.8:71-72
Ag '59. (MIRA 13:1)

1. Zaveduyushchaya pryadil'nym proizvodstvom Lezhnevskoy
fabriki.
(Spinning machinery)

KHARPIN SKRIPKA N.A.
DOROSHEV, I.A.; TREMBITSKIY, Ya.V.; KARPINSKAYA, N.A.; PANCHENKO, B.I.,
redaktor; VALOV, A.N., redaktor izdatel'stva; MIKHAYLOVA, V.V.
tekhnicheskiy redaktor

[Reference manual on pipes and cylinders. Compiled according
to government standards and technical specifications]

Spravochnik na truby i ballony. Sostavlen po Gosudarstvennym
standartam i tekhnicheskim usloviiam. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1957. 175 p.

(MLRA 10:5)

1. Russia (1923- U.S.S.R.) Ministerstvo chernoy metallurgii.
(Pipe, Steel--Standards) (Cylinders--Standards)

S/028/61/000/004/002/007
B103/B206

AUTHOR: Karpinskaya, N. A.

TITLE: Standardization of pipes and improvement of their quality

PERIODICAL: Standartizatsiya, no. 4, 1961, 26-27

TEXT: The author announces the revision of several ГОСТ- (GOST-) standards for iron- and steel pipes, and lists standards intended for future development of pipe manufacture. She considers it necessary that future modernization of existing plants and construction of modern ones should be taken into consideration when elaborating new standards with reference to assortments as well as quality characteristics. The standards intended for future use are: GOST 8732-58 for hot-rolled seamless steel pipes, GOST 8734-58 for cold-rolled and cold-drawn seamless steel pipes, and GOST 4015-58 for electrically welded steel pipes (diameters 426-1620 mm). New dimensions are laid down in them. New steel grades are provided for in GOST 631-57 for casing pipes with roll-on ends and respective sockets, as well as GOST 632-57 for drive pipes and respective sockets. These steel grades have elevated strength values; deeper boreholes and better safety and service

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S/028/61/000/004/002/007
B103/B206

Standardization of ...

life of pipes are warranted. Threads must, however, be adapted to international standards. The corresponding GOST will be revised in 1961. GOST 8632-57 and 8652-57 are intended for profile tubes. By using these tubes as construction elements in agricultural machine building, the weight of these machines can be greatly reduced. The new GOST 9583-61 for cast-iron pressure pipes made by centrifugal and semicontinuous casting, contains a unified assortment on the basis of the recommendation ISO/R 13, and thinner walls are provided than in GOST 5525-50 for cast-iron water pipes. Specifications of USSR standards are sometimes stricter than those abroad. Thus, closer tolerances for the wall thickness of seamless pipes of normal accuracy (GOST 8732-58 and 6734-58) are specified than in several European countries. The same holds for electrically welded steel pipes of 5-152 mm diameter (GOST 1753-53), but the assortment is not unified here, and only holds up to 152 mm diameter. This GOST will therefore be revised in 1962, the diameter extended up to 426 mm, and the interchangeability of seamless pipes safeguarded. Demands on quality will be increased according to modernization of existing, and construction of new tube mills. Standardization of new products is intended for 1961, mainly of bent tubes, the production of which is to be centralized and the assortment unified. Bent tubes

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Standardization of ...

S/028/61/000/004/002/007

B103/B206

are at present manufactured by consumers themselves. Unification will permit the organization of this production in tube rolling mills, making it possible to utilize scrap (short ends). On the basis of the 1961 standardization plan, a tentative standard for plastic-lined pipes will be elaborated by the NII sanitekhnika (Scientific Research Institute of Sanitary Engineering) jointly with the Ukrainskiy nauchno-issledovatel'skiy trubnyy institut (Ukrainian Scientific Pipe Research Institute). This type of corrosion-resistant pipes permits the saving of pipes from stainless steel (in short supply). Noncompliance with standards has so far been caused by insufficient thermal capacity and obsolete machinery. Thus, for instance, consumers are supplied with untempered pipes according to GOST 8732-58, and they often temper pipes themselves by primitive methods, or use them in crude state, thus making it necessary to use pipes of greater wall thickness than required. The author mentions that the following plants have obsolete machines: Novotrubnyy zavod (Novotrubnyy Plant), Chelyabinsk truboproykatnyy zavod (Chelyabinsk Tube Rolling Mill), and Izhorskij mashinostroitel'nyy zavod (Izhora Machine Building Plant). Most plants are lacking modern apparatus for finishing pipe ends (including thread cutting); furthermore, the capacity of hydraulic presses is insufficient. All these

Card 3/4

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S/028/61/000/005/004/004
D210/D306

AUTHOR: Karpinskaya, N.A.

TITLE: Precision steel tubes. New state standard specifications GOST 9567-60. Precision steel tubes. Assortment. To be put into operation on July 1, 1961

PERIODICAL: Standardizatsiya, no. 5, 1961, 49-50

TEXT: The standard specification concerns hot-rolled, cold drawn, cold rolled and electrically welded high precision tubes both as to diameter and wall thickness. The amalgamation in one standard specification of weldless and electrically welded tubes with rigidly controlled dimensional tolerances is new in principle. The permissible tolerances laid down by GOST 9567-60 are not inferior to the demands of foreign standards for precision tubes. On the other hand, GOST 9567-60 provides for the incorporation of hot-rolled precision tubes which do not exist in foreign standards. Included in the assorted tables for hot-rolled tubes and for tubes made by cold

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Card 1/2

S/028/61/000/005/004/004
D210/D306 ✓

Precision steel tubes.

reduction are dimensions of tubes which will be supplied after the new equipment has been put into operation and is in full working order. Cold-reduced precision tubes will be supplied for the special requirements of the customer with respect to internal diameter and wall thickness. The tolerances with respect to internal diameter for tubes having an internal diameter of not less than 10 mm must be within the limit of tolerances laid down for external diameters. With respect to types of steel and engineering requirements, hot-rolled tubes must satisfy the requirements of GOST 8731-58 "Hot-rolled seamless steel tubes. Engineering requirements", and seamless tubes after cold reduction must conform to GOST 8733-58 "Cold-drawn and cold-rolled seamless steel tubes. Engineering requirements", whereas electrically welded tubes must conform to GOST 1753-55 "Electrically welded steel tubes of 5-152 mm diameter".

Card 2/2

KARPINSKAYA, N.A.

Precision steel pipes. Standartizatsiia 25 no. 5:49-50 My '61.
(MIRA 14:5)
(Pipe, Steel--Standards)

KARPINSKAYA, N. A.; SAROVAN, A. Ye.; SHNEYDEROV, M. R.; BARANOV, M. I.; KOVALEV, M. K.

Reviewing standards for drive pipes and their unions. Standartizatsiia 26 no.10:21-22 O '62. (MIRA 15:10)

(Pipe, Steel—Standards)

KARPINSKAYA, N.N. [Karpins'ka, N.M.]; KHARECHKO, G. Ye. [Kharechko, H. IE.]

Problem of certain physical properties of rocks of the northern Sivash area. Dop. AN URSR no. 6:740-746 '61. (MIRA 14:6)

1. Institut geologicheskikh nauk AN USSR i trest "Ukrgeofizrazvedka." Predstavлено академиком AN USSR V. G. Bondarchukom [Bondarchuk, V.H.],
(Sivash region—Rocks—Density)

S/103/63/024/003/007/015
D405/D301

AUTHORS:

Karpinskaya, N.N. and Rybashov, M.V. (Moscow)

TITLE:

On a method of solution in linear-programming by means of an analog computer

PERIODICAL:

Avtomatika i telemekhanika, v. 24, no. 3, 1963,
361-368

TEXT: The problem of linear programming is solved by a method involving the systematic inspection of the vertices of the polyhedron of solutions. The polyhedron is formed by the set of hypersurfaces

$$P_j = \sum_{k=1}^n a_{jk}x_k + b_j = 0. \quad (3)$$

Normally, linear programming involves solving several systems of linear algebraic equations, their number being equal to C_m^n . Therefore the well-known method of solution (by analog computers) is only expedient if the number of original inequalities is small. However, in various practical problems and also in the case of systematic in-

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On a method of solution ...

S/103/63/024/003/007/015
D405/D301

spection of the vertices, the number of necessary solutions is much smaller than C_n^{m+n} . The systems of linear algebraic equations can be solved with the help of linear analog computers such as EMU-8 (EMU-8), MN-7 (MN-7), and others. The algorithm of systematic inspection of the vertices of the polyhedron (3) consists of several steps. The first vertex found is called 'basic'. Then the values of the function $f(x)$ (which is to be minimized (maximized)) are sought at the vertices which are neighbors to the 'basic' vertex; thereby the first of the equations determining the 'basic' vertex is eliminated; the remaining $(n-1)$ equations determine the edge of the polyhedron. This process is repeated. A second (improved) version of the algorithm is also described. The method is illustrated by an example involving the minimization of the production costs of a cement mixture. There are 4 figures and 1 table.

SUBMITTED: . June 1, 1962

Card 2/2

KARPINSKAYA, Regina Semenovna; AFRASHEV, Mikhail Mikhaylovich;
SOKOLOVSKAYA, T.A., red.; LAZAREVA, L.V., tekhn. red.

[Why there should be a union of philosophy with natural
sciences] Pochemu neobkhodim soiuz filosofii i estestvo-
znaniia. Moskva, Izd-vo Mosk. univ., 1963. 37 p.
(MIRA 16:12)

(Science--Philosophy)

KARPINSKAYA, T.B.; SHANIN, L.L.; BORISEVICH, I.V.

Artificial intrusion of argon in mica, olivine, and pyroxene.
Izv. AN SSSR. Ser.geol. 30 no.11:14-16 N '65.

(MIRA 18:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva. Submitted July 15, 1965.

KARPINSKAYA, T.B.; OSTROVSKIY, I.A.; SHANIN, L.L.

Artificial injection of argon into mica at high pressure and
temperatures. Izv. AN SSSR. Ser.geol. 26 no.8:99-103 Ag '61.
(MIRA 14:9)
1. Institut geologii rudnykh mestorozhdeniy, petrografii, minera-
logii i geokhimii AN SSSR, Moskva.
(Argon) (Mica)

KARPINSKAYA, T.B.

Synthesis of muscovite containing argon. Izv. AN SSSR. Ser.
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the cerebral circulation. Zhur. nerv. i psikh. 62 no.1:59-65 '62.

(MI:U 15:4)

(LIPOPROTEINS)

(CEREBROVASCULAR DISEASES)

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cerebral blood circulation, Nauch. trudy Inst. nevr. AMN SSSR
no.1: 114-321 '60. (MIRA 15:7)

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63 no.4:490-496 '63. (MIRA 17:2)

1. Institut nevrologii (dir. - prof. N.V. Konovalov) AMN
SSSR, Moskva.

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Gospodarka Planowa, Vol. XI, No 10(133), Oct 56, Warsaw, pp 1-8.

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34 no.4:113 Ap '65.

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SOURCE: East European Accessions List, (EEAL), Library of Congress,
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H-13d

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47602

Author : Ivan Karpinski

Inst : Institute for Testing Materials of Serbian People's Republic.

Title : Activity Tests by Accelerated Corrosion Method of Ash Dust Activity of Some Sorts of Fuel Used for Puzzolana Production.

Orig Pub : Saopst. Inst. ispitiv. mater. NRS, 1956, 4, No 4, 21-55.

Abstract : The tests consisted in the determination of the relative activity of ashes of various origin and in various combinations with various cements on the condition of a

Card 1/2

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elektroniki 4 no.1:1-16 '63.

1. Pracownia Elektronicznych Urzadzen Liczacych, Zaklad Aparatur,
Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk,
Warszawa.

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Adsorption method of determining the surface area adsorbents
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Torun.

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case of the Bialowieza National Park. p. 3.

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IAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 7, Apr. 1958.

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LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 8, Apr. 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.
Uncl.

KARPINSKI, J.

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PHASE I BOOK EXPLOITATION POL/5981

Symposium on Electroacoustic Transducers. Krynica, 1958

Proceedings of the Symposium on Electroacoustic Transducers [held in] Krynica,
17-26 September, 1958. Warsaw, Państwowe Wydawnictwo Naukowe, 1961. 462 p.
Errata slip inserted. 630 copies printed.

Sponsoring Agency: Polish Academy of Sciences. Institute of Basic Technical
Problems.

Ed. in Chief: Janusz Kacprowski, Doctor of Sciences; Editing Committee: Ignacy
Malecki, Professor, Doctor of Sciences; Wincenty Pajcunski, Doctor; and Jerzy
Wohr, Master of Sciences; Secretary: Juliusz Mierzejewski.

PURPOSE: This book is intended for physicists and acoustical engineers.

COVERAGE: The book is a collection of detailed research papers constituting the
proceedings of a conference held in Krynica from 17 to 26 September 1958 under
the auspices of the Institute of Technical Problems, Polish Academy of Sciences.

Card 1/8

Symposium on Electroacoustic Transducers

POL/5981

3.5

The following basic problems are treated: 1) theoretical research on energy transformation processes; 2) experimental development of new types of transducers; 3) electroacoustic measurements; 4) technology of piezoelectric and magnetostrictive materials; 5) construction of transducers for technical needs; and 6) design of acoustical transducer systems. No personalities are mentioned. References (if any) follow the individual articles.

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Problems of Research Work on Electroacoustic Transducers. Ignacy Malecki,
President of the Conference

5

Ch. 1. General Problems and Theory of Electroacoustic Transducers

1. Classification of electromechanical transformation methods in the
light of the tasks faced with in [sic] the design and construction
of electroacoustic equipment. V. S. Grigor'yev

7

Card 2/8

Symposium on Electroacoustic Transducers

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| 37. | Splitting of ultrasonic pulse in magnetostrictive transducers fed by overvoltage systems. Jerzy K. Skrzela | 361 |
| 38. | Calibration exciter for checking accelerometers. Per V. Brueel | 375 |
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| 42. | Ultrasonic hydrogenerators. C. Wachtl, A. Sigalin, and E. Karczmarczyk | 401 |
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Logical circuits with tunnel diodes. Przegl telekom 35 [i.e.36]
no.4:114-119, 3 of cover Ap '63.

1. Instytut Podstawowych Problemow Techniki, Polska Akademia
Nauk, Warszawa.

KARPINSKI, Jan, mgr. inz.

Continuous division of a wheel into an optional number of teeth
with the use of the differential mechanism of the hobbing machine.
Mechanik 35 no.5:286-287 My '62.

1. Wojskowa Akademia Techniczna, Warszawa.

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KARPIŃSKI (J.). Próby walki z chrząszczem (*Melolontha* sp.) za pomocą grzyba *Beauveria bassiana* Plo. [Experiments on the control of the cockchafer (*Melolontha* sp.) by means of the fungus *Beauveria bassiana* Plo.] — Roczn. Nauk roln., xli, 2, pp. 383-386, 1937. [German summary.]

The experiments in 1934-5, summarized in this note, showed that under laboratory conditions the cockchafer (*Melolontha melolontha*) was much less resistant to infection with *Bacillus densus* [R.A.M., xv, p. 217] than *M. hippocastani*, as indicated by the length of the relative survival of the two species after infection; in the end, however, all the experimental insects perished, and *B. densus* was recovered from all the bodies. Infected females of the two species either did not lay any eggs at all, or did so very exceptionally, a fact which was confirmed in field experiments. In a forest, in which an infection focus by *B. densus* was artificially established, the percentage of dead cockchafers infected by the fungus was found to be 24·0 within a distance of 1 km. from the focus, 10·2 within the second km., 11·2 within the third, 8·8 within the fourth, gradually decreasing up to the seventh km., where no infected insects could be found. The infection, however, did not penetrate through the soil to the grubs.

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collage. illus.)

SD: Monthly list of East European accounts, (Jan., 1971, Vol. 1, no. 1, Oct. 1971,
Vol. 1).

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Karpinski, J. Birds and their biotic adaptation in the National Park in
Bialowieza; investigations. p. 3

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Vol. 5, 1954 Warszawa, Polone

SC: Monthly List of East European Accessions, ('EEAI'), LC, Vol. 5, No. 10 Oct. 56

KARPINSKI, J.

Karpinski, J.; Makolski, J. Beetles (Cara idae, Coleoptera) and their biotic adaptation in the National Park in Rialowieza. P. 105 ROCZENKI NAUK LESNYCH Vol. 5, 1954 Warszawa, Poland

SOURCE: EEAL LC Vol. 5, no. 10, Oct. 1956

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Obtaining cobalt as a byproduct of the hydrometallurgic processing
of low-content polymetallic ores. P. 321 HUTNIK Vol. 21, no. 10,
Oct. 1954 Poland

SO: EEAL LC Vol. 5, no. 10, Oct. 1956

KARPINSKI, JAN JERZY.

Wycieczka do puszczy. Warszawa, Panstwowe Zaklady Wydawn. Szkolnych, 1955. 162p. (Excursion to the forest. illus.)
MiDW Not in DLC

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 12, December 1956.

KARPINSKI, J.

Scientific data for the study of mammals in the Białowieża Forest. p. 125.
(ROCZNIKI NAUK LESNYCH. Vol. 14, 1956, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

KARPINSKI, J.

Spiders (Araneida) in the biocoenosis of the Bialowieza Forest. p. 163.
(ROCZNIKI NAUK LESNYCH. Vol. 14, 1956, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

POLAND/General and Specialized Zoology - Insects.

F.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40067

Author : Karpinski, J.

Inst :

Title : Ants in the Biocenosis of the Bialowieza National Reservation.

Orig Pub : Roczn. nauk lesn., 1956, 14, No 153, 201-221.

Abstract : Pine, and pine-fir woods especially, suffer from pests and must have a fauna of ants useful to their economy and constituted of various species. Because they are aerotrophic (in the larger meaning), omnivorous and predatory Myrmica ruginodis and M. laevinodus must be cared for as well as the Formica rufa. It is immediately necessary to work out a method of artificial colonization of useful ant species in the forests, and organize work for the protection and increase in numbers of ant-hills. The author recommended the breeding of specimens in laboratories for

Card 1/2

- 29 -

KARPINSKI, J.

Corrections to the repeated answer by Professor M. Nunberg. p. 100

SYLWAN. (Wydzial Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements: Buletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Buletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przeglad Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Przeglad Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)
Vol. 101, no. 3, Mar. 1957

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 6, June 1959
Uncl.

COUNTRY : Poland

CATEGORY : GENERAL & SPEC. ZOOLOGY INSECTS

1

Biology and Ecology
ASS. JOUR.: Ref Zhur-Biologiya, No. 4, 1959, No. 111

Author : Karpinski, Jan, Jerzy
INST.

INT.

TITLE A study of Nichols from a viewpoint of
slovencization of national parks.

ORIG. PUB.: Roczn. nauk leśn., 1958, 21, 49-60

ABSTRACT : In 1972 the author began a study of the
"Orient" population of the following three towns. The first
of these is located in the northern part of the country, the
second in the central part, and the third in the southern part.
The first two towns have been chosen because they are
located in the same region as the city of Tashkent, the
third has been chosen because it is located in the same
region as the city of Samarkand.

-- From the author's summary

CARD : 1/1

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KARPINSKI, Jan Jerzy; TOLL, Sergiusz

Laspexresia st.cruciana sp. nov. (Lepidoptera, Tortricidae) the Polish
larch budworm. Sylwan 56 no.1:23-28 Ja-F '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720820018-3"

KARPINSKI K

COUNTRY U.S. 4034	: Poland	: East
ABC. JOURN.	: RZKHN., No. 1959, No. 1	
AUTHOR	: S. WIECZOREK, et al., eds., <u>Polish-U.S. Economic Cooperation</u> , Warsaw, 1961.	
TITLE	: A theoretical and practical analysis of Polish-U.S. economic cooperation. It includes a critical review of the U.S. foreign policy towards Poland, the development of Polish-U.S. economic relations, and the role of Poland in the world economy.	
ORIG. PUB.	: Warsaw, 1961, 35, No. 1, 1961.	
ABSTRACT	: This document is a theoretical and practical analysis of Polish-U.S. economic cooperation. It includes a critical review of the U.S. foreign policy towards Poland, the development of Polish-U.S. economic relations, and the role of Poland in the world economy.	

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KARPINSKI, Karol; SWINARSKI, Antoni

Sorption mechanism of hydrogen sulfide from aqueous solutions through activated carbon. Pt. 1. Chemia stosow 8 no. 1:17-26 '64.

1. Department of Inorganic Chemistry, N.Copernicus University, Torun.

SWINARSKI, Antoni; KARPINSKI, Karol

Adsorption of hydrogen sulfur from aqueous solutions by
activated carbon. Chemia stosow 7 no.3:347-358 '63.

1. Katedra Chemii Nieorganicznej, Uniwersytet Im. M. Kopernika,
Torun.

KARPINSKI, Karol; SWINARSKI, Antoni

Influence of the porous structure of activated carbon on
the H₂S adsorption from aqueous solutions. Przem chem 43
no. 2:71-74. F '64.

1. Katedra Chemii Nieorganicznej, Uniwersytet M. Kopernika,
Torun.

DYLAG, Zdzislaw, mgr inz.; KARPINSKI, Mieczyslaw, mgr inz.

Example of solving the problem of thermal insulation of above-ground water tanks. Inz i bud 20 no.6:198-201 Je '63.

1. Wojskowa Akademia Techniczna, Warszawa.

KARPINSKI, R.

KARPINSKI, R. Mechanical grates in drying chambers for cores. p. 372
Vol. 5, no. 12, Dec. 1955. PRZEGLAD ODLEWNICTWA. Krakow, Poland.

SOURCE: Fast European Acquisitions List (FFAL) LC VOL. 5, No. 6, June 1956

KARPINSKI, ROMAN

Poland /Chemical Technology. Chemical Products
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31593

Author : Karpinski Roman

Title : Infrared Drier for Drying Sand Specimens

Orig Pub: Przegl. odlewn., 1956, 6, No 7, 215-216

Abstract: No abstract.

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KARPINSKI, S., inz.

Operation and telecommunication protection services during winter
1962/63 in the territory of the Warszawa District Administration of
State Railroads. Przegl kolej elektrotech 15 no.5:122-124 My '63.

KARPINSKI, T.; PRZYBYLSKI, Z.

New geochemical indicators. Biuletyn. p. 10

NAFTA. (Instytut Naftowy) Krakow, Poland, Vol.15, No. 10, Oct. 1959

Monthly list of East European Accession (EEAI) LC., Vol. 9, No. 1, Jan. 1960

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KARPINSKI, Tadeusz, dr inz.

Analysis of the influence of the microstructure of subsurface
layer normalized by high frequency currents on the fatigue
resistance of steel. Przegl mech 24 no.5:150 10 Mr '65.

1. Department of Physical Metallurgy of the Warsaw Technical
University.

KARRINSKI TADEUSZ

Determination of Sulfur in bore-hole samples. -
Tadeusz Karrinski, AGH (Poland). 10-1967. *True Wallace*

Abstract: A method of the sample preparation and titration of 200 ml
water dilution of pH 4-5, 1.5 ml of 10% NaCl solution,
add dry precipitant microbore 2 ml of 10% BaCl₂ solution,
while stirring with an electromagnetic stirrer and dec. the
residue. A conductivity photometrically. Good results are obtained
at SO₄ content of 0.0002-0.014%. The error is about
3% up to 0.001M H₂SO₄ and at higher contents, is about 3%
Back titration titrated about 1 minute. Irving C. Messer

AK
JCH

KARPINSKI, T.

1963. New analytical methods for examination of drilling cores.

Karpinski.¹ True, *Analyst*, 1916, 41, 265; *Analyst*, 1917, 42, 105. The author gives details of new methods for the determination of S in Na₂S extracts by polarographic, for SO₄²⁻ by titration, and the comparative merits of volumetric, gravimetric and polarographic methods for CO₂⁻ determination. Danish polarograph was used and Ce(IV) extract was dissolved in a buffer Na₂CO₃. Electrolyte anode used. S is reduced to H₂S at a wave potential of 0.69 V (or in presence of oxygen at 0.45 V). Ruth-Maurer photodilatometer was employed for SO₄²⁻ determination and the influence of pH, concn and stability of solvents was thoroughly investigated. By comparison with gravimetric analysis it has been established that the error does not exceed 5%. Volumetric determination of carbonates although accurate only within 5% limits, is a much faster method than gas analysis which has its own numerous sources of errors.

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KARPINSKI, V., k. t. n.; MINKOV, S., inzh.

Foundations of composite reinforced concrete piles.
Stroitelstvo 10 no. 6: 6-8 N-D '63.

KARPIŃSKI, Zbigniew, mgr inż. arch.

Constructions of the eastern side of Marszałkowska Street
Inz 1 bud 21 no.9:297-300 3 '64.

KARPINSKIY, A. [Karpinski, Andrzej]; RAKOVSKIY, M. [Rakowski, Mieczyslaw];
SOKOLOVSKIY, V.I. [translator]; SHALASHOVA, V.P. [translator]; MA-
KARENKO, Ya.I., red.; SHAGALOV, G., red.; KHOMYAKOV, A.D., tekhn.
red.

[Poland against the background of the world economy] Pol'sha na fone
mirovoi ekonomiki. Pod obshchei red. IA.I.Makarenko. Moskva, Izd-vo
inostr. lit-ry, 1961. 221 p. Translated from the Polish. (MIRA 14:11)
(Poland—Economic conditions) (Economic conditions)

TURUTA, N.U., kand. tekhn. nauk; GALLIMULIN, A.T., kand. tekhn. nauk;
KRASHNopol'skiy, A.A., kand. tekhn. nauk; ONISHCHENKO, V.Ya.,
inzh.; DANILOV, N.M., inzh.; KARPINSKIY, A.V., inzh.; PANCHENKO,
D.F., inzh.

Effectiveness of blasting systems in flux limestone quarries,
Vzryv. delo no.57/14:181-185 '65. (MIRA 18:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti
UkrSSR i Dokuchayevskiy flyuso-dolomitnyy kombinat.

KANDYBA, M.I., kand.tekhn.nauk; BLAGODARENKO, Yu.L., inzh.;
BAKHTIN, O.B., inzh.; KARPINSKIY, A.V., inzh.

Testing of blasting delay elements. Met. i gornorud.
prom. no.4:81-83 Jl-Ag '62. (MIRA 15:9)
(Blasting)

KANDYBA, M.I., kand. tekhn. nauk; TURUTA, N.U., kand. tekhn. nauk;
BOGDANOV, P.A., inzh.; BLAGODARENKO, Yu.L., inzh.; BAKHTIN, O.B.,
inzh.; KARPIŃSKIY, A.V., inzh.

Seismic effect of large-scale blasting on a rock massif. Nauch.
zap. Ukrniiproekta no.10:126-132 '63. (MIRA 17:6)

TURUTA, N.U., kand. tekhn. nauk; GALIMULLIN, A.T., kand. tekhn. nauk;
PANCHENKO, D.F., inzh.; KARPINSKIY, A.V., inzh.; KOVALEVSKIY,
S.Ye., inzh.

Studying the character of the breaking of a rock massif by
detonating borehole charges. Vzryv. delo no.54/11:145-153 '64.
(MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti,
Kiyev.

KARPINSKIY, G. (g. Sverdlovsk).

Study, observe and build. IUn. tekhn. 2 no.9:56-57 s '57. (MLBA 10:9)

1. Uchitel' fiziki shkoly No.9.
(Physics--Study and teaching)

KARPINSKIY, G. K.

IUnye fiziki [Young physicists]. Sverdlovsk, Sverdlovskoe kn. izd-vo, 1953. 86 p

SO: Monthly List of Russian Accessions, Vol 6 No 8 November 1953

KARPINSKIY, G.K.

Instruction in physics courses oriented toward practical applications.
Fiz.v.shkole 14 no.1:67-71 Ja-P '54. (MLRA 7:1)

1. Gorod Sverdlovsk, 9-ya srednyaya shkola.
(Physics--Study and teaching)